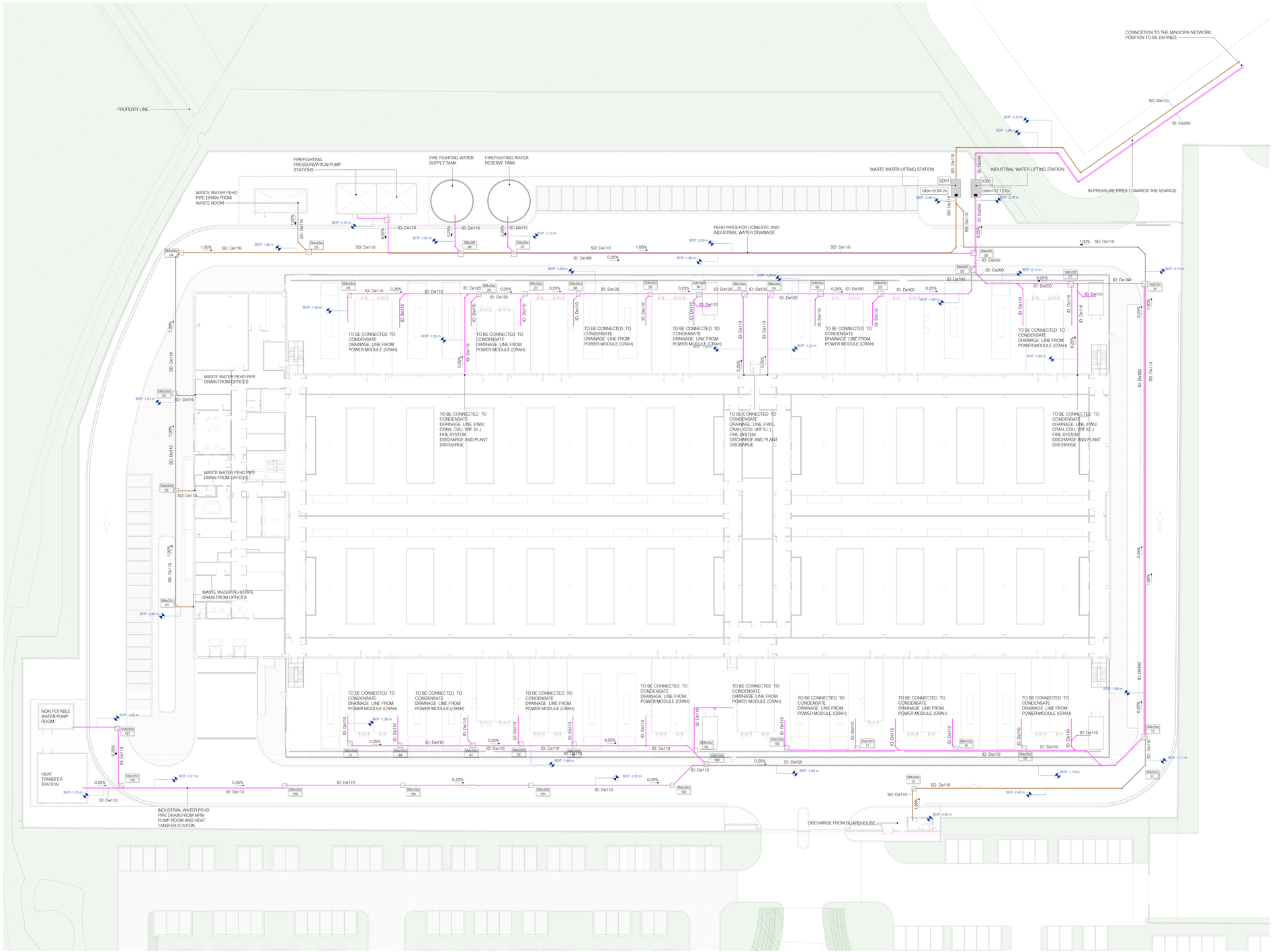
A0 - Do not scale



Industrial and Domestic Waste Water Drainage System

1 : 250

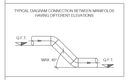
DR - Pipe Systems Legend

SD	Soil Water
ID	Industrial Water
BOP	Bottom of Pipe's Quote

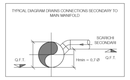
NOTES PLUMBING AND DRAINAGE SYSTEMS:

- Supply piping for the water and sanitary utilities within the toilets will be made of multilayer from manifolds.
- In case of supply not derived from manifold, place recessed shut-off taps with cap for each water utility.
- Provide vents at high points and drains (connected to prepared manholes or conduits) at low points, in locations agreed with the DL.
- All drain risers should be equipped with inspectable siphon at the foot, extended above the roof and adequately ventilated.
- Condensate water collection networks must be separate and distinct from those into which they flow by the interposition of permanently wet or dry inspectable odor trap.
- Rainwater collection networks must be separate and distinct from those into which they flow by the interposition of a dry inspectable odor trap.
- Stormwater collection networks shall be separate and distinct from blackwater to the collection sumps located upstream of the inspection Siphon/Brace unit heading to the public sewer
- All discharges collected below the level of discharge to the public sewer shall be conveyed to collection and lifting tanks equipped with electric pumps.
- Testing operations should be carried out while keeping the drainage network continuously visible.
- Provide inspection points in manifolds upstream of each confluence, bend or special piece.
- All pipes, unless specified or indicated in the secondary, except where otherwise indicated, shall have the following minimum slopes:
  - service drains to sewer risers i= 2%;
  - blackwater / grease collectors i= 1%
  - stormwater / condensate manifolds i=0,5%

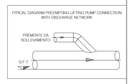
TYPICAL DIAGRAM CONNECTION BETWEEN MANHOLES HAVING DIFFERENT ELEVATIONS



TYPICAL DIAGRAM DRAINS CONNECTIONS SECONDARY TO MAIN MANIFOLD



TYPICAL DIAGRAM PREIMPETING LIFTING PUMP CONNECTION WITH DRAINAGE NETWORK



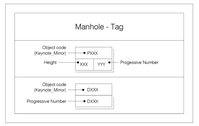
GENERAL NOTES:

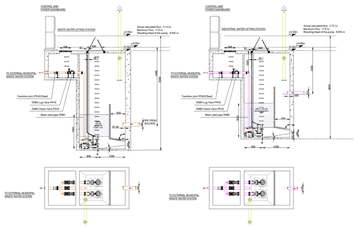
- Drawing which only for mechanical installations under contract.
- The arrangements and locations of materials and equipment are to be verified on site by the contractor, who shall promptly report any interference with existing.
- Any undetected equipment shall be maintained, if necessary, it shall be modified and restored by the contractor.
- Exact locations of equipment, materials, piping, ducts, connection to existing facilities shall be determined by the contractor and submitted to the construction manager.
- The layout of equipment, piping, ducts, and connections to existing facilities shall be approved.
- All equipment must be easily maintainable and accessible via trapdoors or similar solutions even where not specifically specified.
- It will be the contractor's responsibility to size and assevarate all supports, in a workmanlike manner and in compliance with all regulatory requirements for earthquake-proofing.
- Construction detail drawings necessary for the proper execution of the work shall be arranged by the contractor.
- The installation of elements in the field must comply with all manufacturers' prescriptions and recommendations, good engineering rules on acoustics and fire prevention.
- Any deviations from the contract documents, evaluated on the basis of the available documentation, should be re-evaluated and deepened during the works, after plant verification following appropriate surveys of the existing situation.
- The contractor must carefully check the design and report any inaccuracies, incompleteness or discrepancies with any standard or law.
- Connections between two or more sections of duct both with indoor units and with ducts themselves shall be made only with Invitation fittings and not with hammered derivations or detachments. The Contractor shall be responsible for making construction drawings showing the type of derivations and connections between ducts and ducts with the indoor units provided.

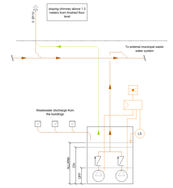
5100_Plumbing Fixture Legend

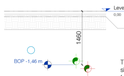
Keynote_Mirror	Type_LXWXH
SMc02c	L22_PLM_SM_Square Manhole with closed bottom 500X500H1000
SMc05d	L22_PLM_SM_Square Manhole with closed bottom 1000X1000H1500
SMc05e	L22_PLM_SM_Square Manhole with closed bottom 1350X1350X0H2000
SMc05f	L22_PLM_SM_Square Manhole with closed Bottom 1200X1200H2500

Manhole - Tag









The Level Key Plan shows the levels used for the design. The system dimensions refer to the Level 00 -FFL. All pipe base heights refer to absolute height as distance from level

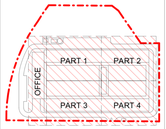
General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) quality assurance procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimeters unless otherwise stated. Validate all measurements on site.
3. Dimensions of equipment are indicative only and typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the Contractor.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Do not scale dimensions from drawings. Use dimension package.
8. Contractor to coordinate that distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

1000 0 1000 2000 3000 4000

SCALE: 1:100

Key Plan



Rev	Details	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	LORO/LEMC	17/01/2025
P02	STAGE 3 - 80% ISSUE	LORO/LEMC	26/11/2024
P01	STAGE 2 - ISSUED FOR APPROVAL	LORO/LEMC	11/10/2024

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Project Title

Data Center Stack Campus Siziano (PV)

Drawing Title

Planimetria scarichi MIL08A

Designer

Ing. Roberto Cereda
iscritto all'Ordine degli Ing. di Brescia n. 260

Project Status

VIA (Titolo III, d.lgs. 152/2006)

Discipline

Status Code

Project Number	Scale @ A0	Revision
ME-0033	1:250	30/06/2026

Drawing Number

4553-L22-ZZ-ZZZ-TRP-DRW-ME-0033